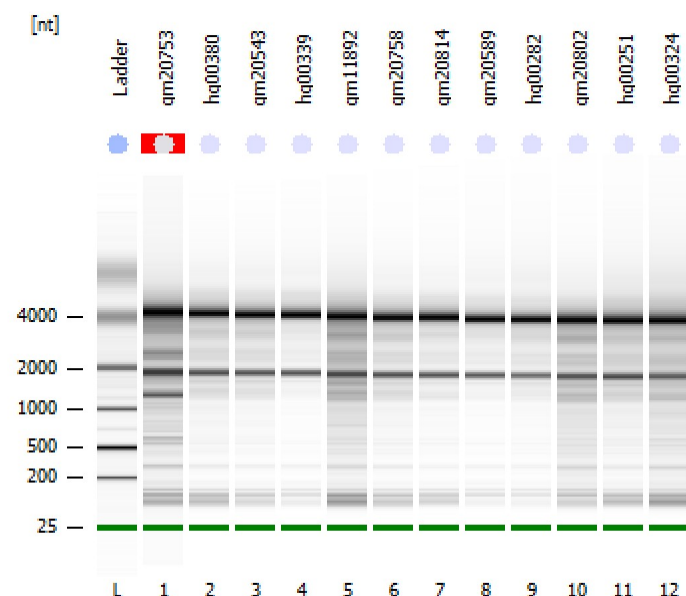


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-13_08-28-00.xad

Created: 10/13/2011 8:28:00 AM
Modified: 10/13/2011 8:51:53 AM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE04105537
Serial#: DE04105537

Firmware: C.01.069
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

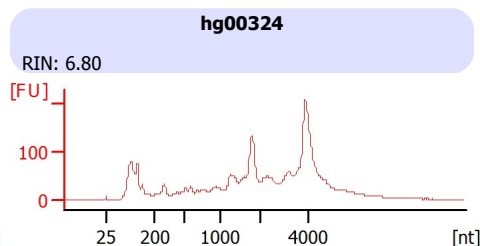
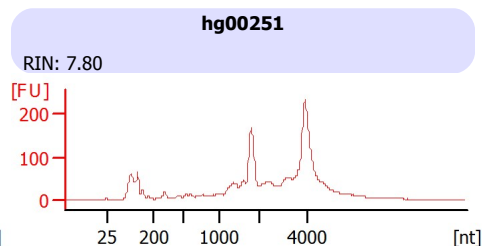
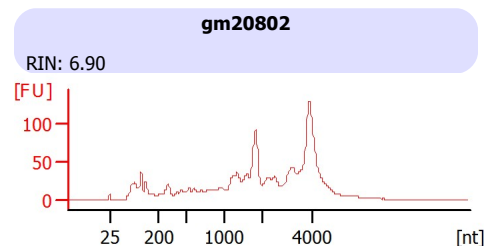
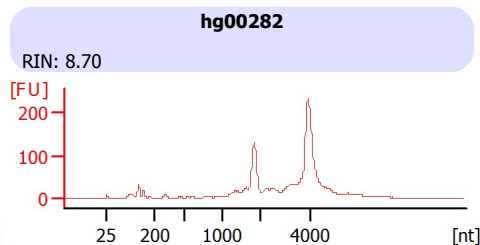
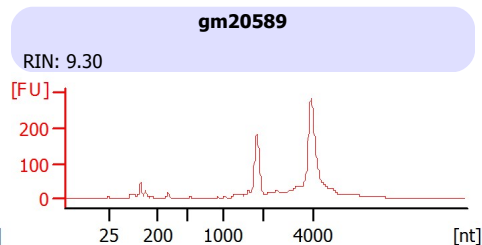
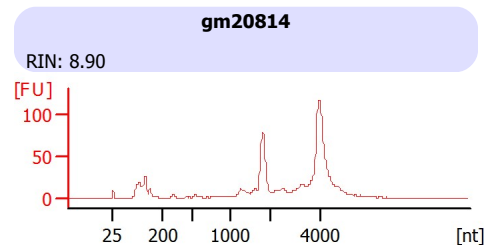
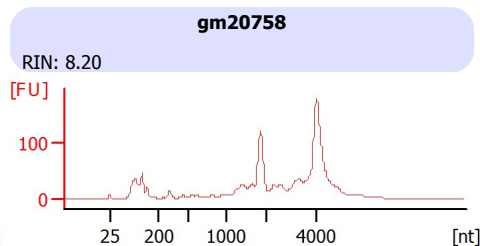
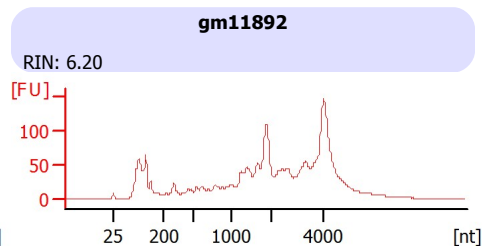
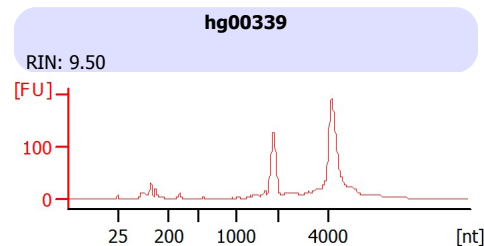
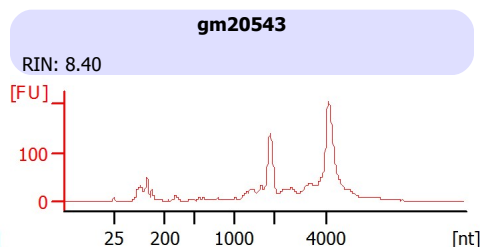
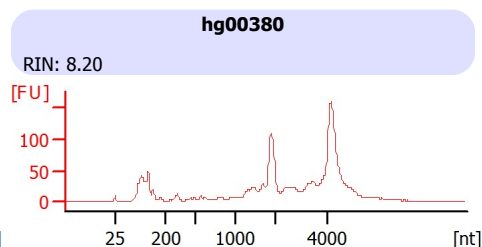
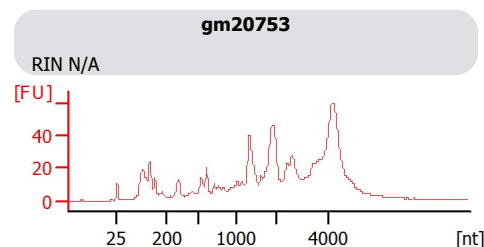
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-13_08-28-00.xad

Created: 10/13/2011 8:28:00 AM
Modified: 10/13/2011 8:51:53 AM

Electrophoresis File Run Summary (Chip Summary)

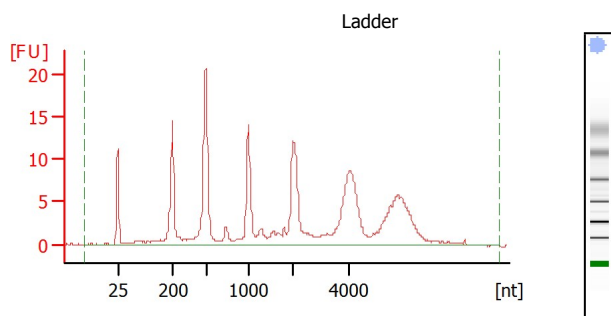
Sample Name	Sample Comment	Stat Result Label	Result Color
		us	
gm20753		✓ RIN N/A	
hg00380		✓ RIN: 8.20	
gm20543		✓ RIN: 8.40	
hg00339		✓ RIN: 9.50	
gm11892		✓ RIN: 6.20	
gm20758		✓ RIN: 8.20	
gm20814		✓ RIN: 8.90	
gm20589		✓ RIN: 9.30	
hg00282		✓ RIN: 8.70	
gm20802		✓ RIN: 6.90	
hg00251		✓ RIN: 7.80	
hg00324		✓ RIN: 6.80	
Ladder		✓ All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-13_08-28-00.xad

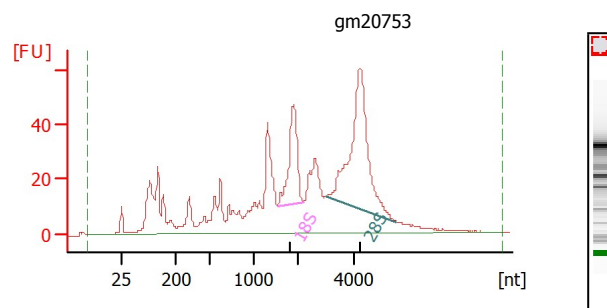
Created: 10/13/2011 8:28:00 AM
 Modified: 10/13/2011 8:51:53 AM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 225.9
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

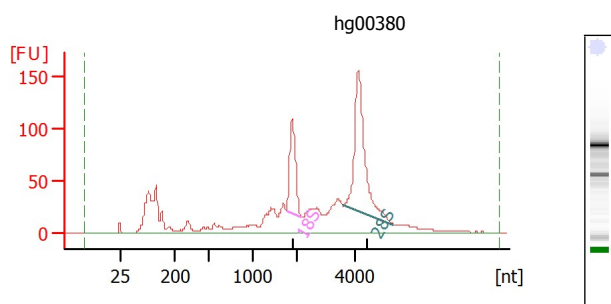


Overall Results for sample 1 : gm20753

RNA Area: 1,118.1
 RNA Concentration: 742 ng/μl
 rRNA Ratio [28s / 18s]: 2.4
 RNA Integrity Number (RIN): N/A (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN N/A

Fragment table for sample 1 : gm20753

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,545	2,196	95.6	8.6
28S	2,998	5,466	230.6	20.6

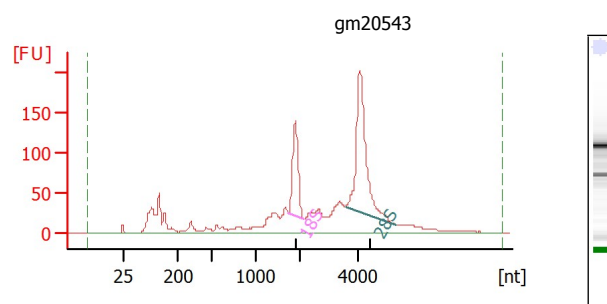


Overall Results for sample 2 : hg00380

RNA Area: 1,687.2
 RNA Concentration: 1,120 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 8.2 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.20

Fragment table for sample 2 : hg00380

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,755	2,140	164.7	9.8
28S	3,632	5,389	361.4	21.4



Overall Results for sample 3 : gm20543

RNA Area: 1,890.3
 RNA Concentration: 1,255 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 8.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.40

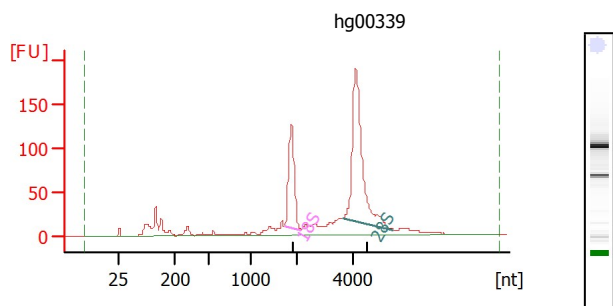
Fragment table for sample 3 : gm20543

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,736	2,126	204.9	10.8
28S	3,573	5,374	447.6	23.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-13_08-28-00.xad

Created: 10/13/2011 8:28:00 AM
 Modified: 10/13/2011 8:51:53 AM

Electropherogram Summary Continued ...

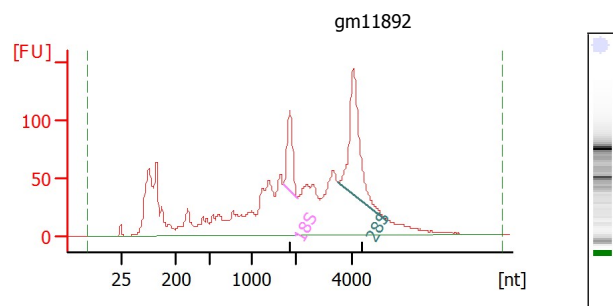


Overall Results for sample 4 : hg00339

RNA Area: 1,310.3
 RNA Concentration: 870 ng/μl
 rRNA Ratio [28s / 18s]: 2.1
 RNA Integrity Number (RIN): 9.5 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.50

Fragment table for sample 4 : hg00339

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,735	2,169	217.3	16.6
28S	3,604	5,410	455.1	34.7

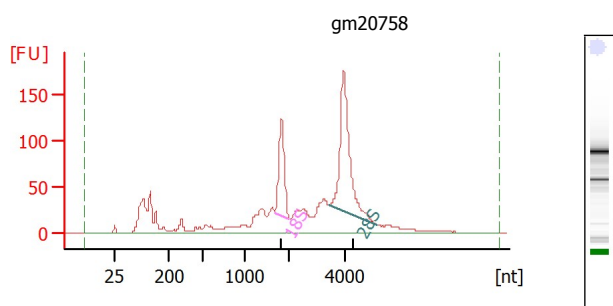


Overall Results for sample 5 : gm11892

RNA Area: 2,543.8
 RNA Concentration: 1,689 ng/μl
 rRNA Ratio [28s / 18s]: 2.5
 RNA Integrity Number (RIN): 6.2 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.20

Fragment table for sample 5 : gm11892

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,710	2,029	120.6	4.7
28S	3,507	5,194	295.7	11.6

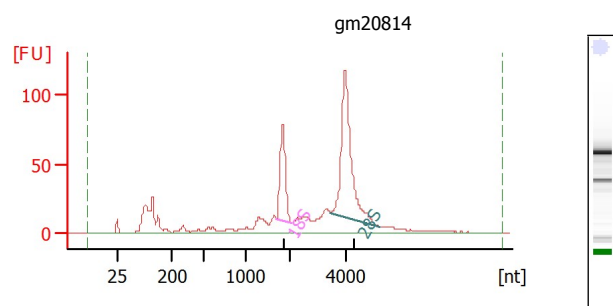


Overall Results for sample 6 : gm20758

RNA Area: 1,791.0
 RNA Concentration: 1,189 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 8.2 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.20

Fragment table for sample 6 : gm20758

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,691	2,035	181.6	10.1
28S	3,487	5,150	390.8	21.8



Overall Results for sample 7 : gm20814

RNA Area: 973.9
 RNA Concentration: 647 ng/μl
 rRNA Ratio [28s / 18s]: 2.3
 RNA Integrity Number (RIN): 8.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.90

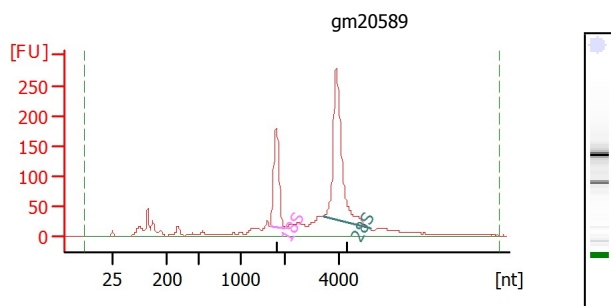
Fragment table for sample 7 : gm20814

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,697	2,062	122.7	12.6
28S	3,475	5,236	283.2	29.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-13_08-28-00.xad

Created: 10/13/2011 8:28:00 AM
 Modified: 10/13/2011 8:51:53 AM

Electropherogram Summary Continued ...

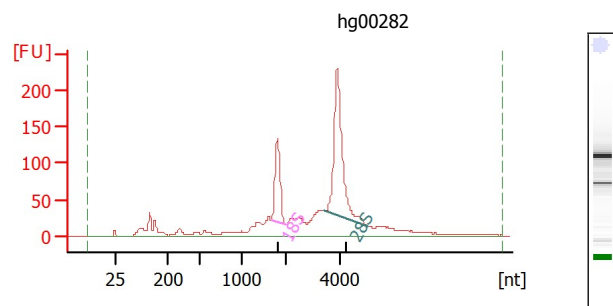


Overall Results for sample 8 : gm20589

RNA Area: 1,917.0
 RNA Concentration: 1,273 ng/μl
 rRNA Ratio [28s / 18s]: 2.1
 RNA Integrity Number (RIN): 9.3 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.30

Fragment table for sample 8 : gm20589

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,680	2,056	289.4	15.1
28S	3,435	5,151	600.9	31.3

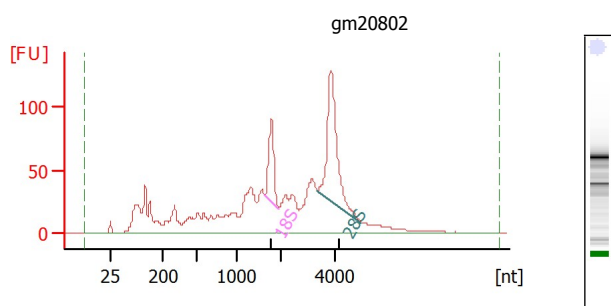


Overall Results for sample 9 : hg00282

RNA Area: 1,729.4
 RNA Concentration: 1,148 ng/μl
 rRNA Ratio [28s / 18s]: 2.4
 RNA Integrity Number (RIN): 8.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.70

Fragment table for sample 9 : hg00282

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,677	2,038	193.6	11.2
28S	3,423	5,038	470.6	27.2

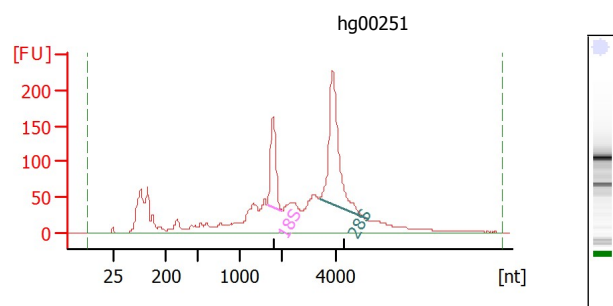


Overall Results for sample 10 : gm20802

RNA Area: 1,867.6
 RNA Concentration: 1,240 ng/μl
 rRNA Ratio [28s / 18s]: 2.5
 RNA Integrity Number (RIN): 6.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.90

Fragment table for sample 10 : gm20802

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,652	1,963	110.2	5.9
28S	3,396	5,007	270.8	14.5



Overall Results for sample 11 : hg00251

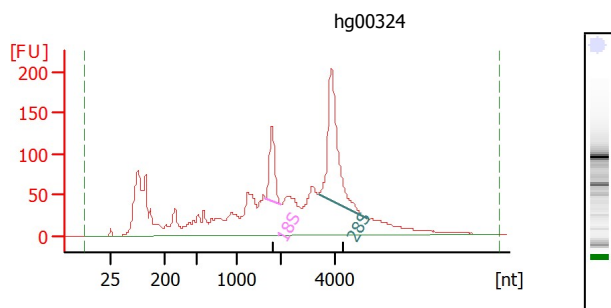
RNA Area: 2,759.7
 RNA Concentration: 1,833 ng/μl
 rRNA Ratio [28s / 18s]: 2.3
 RNA Integrity Number (RIN): 7.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.80

Fragment table for sample 11 : hg00251

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,650	1,991	223.7	8.1
28S	3,367	5,167	517.8	18.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-13_08-28-00.xad

Created: 10/13/2011 8:28:00 AM
Modified: 10/13/2011 8:51:53 AM

Electropherogram Summary Continued ...**Overall Results for sample 12 : hg00324**

RNA Area: 3,200.6
RNA Concentration: 2,125 ng/μl
rRNA Ratio [28s / 18s]: 2.9
RNA Integrity Number (RIN): 6.8 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 6.80

Fragment table for sample 12 : hg00324

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,644	1,993	158.3	4.9
28S	3,379	5,156	451.9	14.1